

PRINTING AND DETECTING A FIXER PATTERN ON A MEDIUM

ABSTRACT OF THE DISCLOSURE

A method for printing a coordinate pattern on a medium includes
5 assigning a pattern to the medium. The pattern is formed on the medium with
fixer. A method of calculating a position of an object in relation to the medium
using the pattern is disclosed. A predetermined wavelength of electromagnetic
radiation is projected onto the pattern and a presence of absence of emittance
from the fixer of the pattern is detected. A medium including a substrate having
10 a coordinate pattern overlying at least one side of the substrate is further
disclosed. The coordinate pattern includes a means for fluorescing when
subjected to a predetermined wavelength of electromagnetic radiation. In
another embodiment, a system for forming a substantially invisible coordinate
pattern on a medium is disclosed.

15

20